

ABSTRACT OF THE DISCLOSURE

Disclosed is an internal combustion engine in which it is possible to provide, from the exhaust stroke to the intake stroke, a period T during which both an intake valve (14) and an exhaust valve (15) remain closed, the internal combustion engine being equipped with a fuel injection valve (24) capable of injecting fuel into a combustion chamber (16), the closing time EVC for the exhaust valve (15) being set to be on the advance side with respect to the intake top dead center, the fuel injected from the fuel injection valve (24) being pressurized together with a residual gas inside the combustion chamber (16) during the period T in which both the intake valve (14) and the exhaust valve (15) remain closed.